

Exercise 1 Find the zeros of the following function.

$$z(x) = 7x(3x - 2)(x + 8)(x - \sqrt{7})(x + \sqrt{7})$$

Enter the x values from smallest to largest

$$x_1 = \boxed{-8} \quad x_2 = \boxed{-\sqrt{7}} \quad x_3 = \boxed{0} \quad x_4 = \boxed{\frac{2}{3}} \quad x_5 = \boxed{\sqrt{7}}$$
